

What is Claimed is:

1. A package comprising:

a container having a main body with an upper portion having closure engaging members thereon, and a spout extending upward and inward from the upper portion and topped with an upwardly and outwardly flared portion terminating in a rim defining a container opening;

a closure having an end wall extending across the container opening when in place on the container, and a skirt extending outward and downward from a periphery of the end wall and having an inner surface with container engaging members adjacent a lower end which engage the closure engaging members on the container to removably secure the closure to the container; and

sealing elements including an annular sealing flange extending downwardly and inwardly from the end wall of the closure and having an outer sealing surface which engages an inner sealing surface on the flared portion of the container, and an annular upper portion of the inner surface of the skirt being inclined downwardly and outwardly relative to the outer surface of the annular sealing flange to form with the annular sealing flange an upwardly converging annular gap into which the rim of the container is wedged as the container engaging members on the closure and the closure engaging members on the container engage.

2. The package of Claim 1 wherein the outer sealing surface of the annular sealing flange forms a first angle with a central axis of the container which is larger than a second angle formed with the central axis by the inner sealing surface on the flared portion of the container to provide interference between the outer sealing surface of the annular sealing flange and the inner sealing surface of the flared portion of the container as the closure is applied to the container.

3. The package of Claim 2 wherein the annular sealing flange is stiffer than the flared portion of the container such that the flared portion of the container is deformed by the interference between the outer sealing surface of the annular sealing flange and the inner sealing surface of the flared portion of the

container to provide extended surface contact between the outer sealing surface of the annular sealing flange and the inner sealing surface of the flared portion of the container.

4. The package of Claim 1 wherein the annular upper portion of the inner surface of the skirt which is inclined downwardly and outwardly from the end wall is formed by an annular bead on the skirt.

5. The package of Claim 4 wherein the annular inner surface of the skirt below the annular bead has a plurality of circumferentially spaced radially inward and axially extending ribs which engage and guide the rim of the container into the gap.

6. The package of Claim 5 wherein the ribs have radially inward convex free edges.

7. The package of Claim 1 where the inner surface of the skirt below the upper portion, has a plurality of circumferentially spaced radially inward and axially extending ribs which engage and guide the rim of the container into the gap.

8. The package of Claim 7 wherein the ribs have radially inward convex free edges.

9. The package of Claim 8 wherein the sealing elements further include an annular sealing member on a lower portion of the inner surface of the skirt above the container engaging members which engages the main body of the container above the closure engaging members but below the spout when the container engaging means on the closure and the closure engaging members on the container engage.

10. The package of Claim 1 wherein the sealing elements further include an annular sealing member on one of the lower end of the inner surface of the skirt above the container engaging members and the main body of the container above the closure engaging members but below the spout sealing against the other.

11. The package of Claim 10 wherein the annular sealing member is on a lower portion of the inner surface of the skirt above the container engaging member.

12. A package comprising:

a container having a main body with an upper portion having closure engaging members thereon, and a spout extending upward and inward from the upper portion and terminating with a rim defining a container opening;

a closure having an end wall extending across the container opening when in place on the container, and a skirt extending outward and downward from the periphery of the end wall and having an inner surface with container engaging members adjacent a lower end which engaged the closure engaging members on the container to removably secure the closure to the container; and

sealing elements including first sealing elements forming a seal between the container and the closure adjacent the container opening, and second seal comprising an annular sealing member on one of the lower portion of the inner surface of the skirt above the container engaging members and on the main body of the container above the closure engaging members but below the spout which seals against the other of the lower portion of the inner surface of the skirt and the main body of the container.

13. The package of Claim 12 wherein the annular sealing member is on the lower portion of the inner surface of the skirt above the container engaging members and engages and seals against the main body of the container above the closure engaging members but below the spout with the container engaging members engaging the closure engaging members.